



# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/886,148		06/22/2001	Kazutaka Inukai	12732-053001	5723	
26171	7590	06/02/2005		EXAMINER		
FISH & RICHARDSON P.C.				LIU, MING HUN		
P.O. BOX 10 MINNEAPO		N 55440-1022		ART UNIT	PAPER NUMBER	
	,			2675		
				DATE MAILED: 06/02/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

			. \ \
	Application No.	Applicant(s)	7
	09/886,148	INUKAI, KAZUTAKA	
Office Action Summary	Examiner	Art Unit	
	Ming-Hun Liu	2675	
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the	e correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP	LY IS SET TO EXPIRE 3 MONT	H(S) FROM	
THE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a re  - If NO period for reply is specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).		timely filed days will be considered timely. om the mailing date of this communication. NED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on			ļ
2a)⊠ This action is <b>FINAL</b> . 2b)□ Th	is action is non-final.		
3) Since this application is in condition for allow	·		
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-82 is/are pending in the application	n.		
4a) Of the above claim(s) is/are withdr	awn from consideration.	•	
5) Claim(s) <u>2-46,48-55,57-64,66-73 and 75-82</u>	is/are allowed.		
6) Claim(s) <u>1,47,56,65 and 74</u> is/are rejected.		·	
7) Claim(s) is/are objected to.	for election requirement		
8) Claim(s) are subject to restriction and	roi election requirement.		
Application Papers			
9) The specification is objected to by the Examir			
10) ☐ The drawing(s) filed on is/are: a) ☐ ac			
Applicant may not request that any objection to the	• • • • • • • • • • • • • • • • • • • •		
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the I			
· ·	Ladiffici. Note the attached Offi	OF ACTION OF TOTAL F 10-102.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority docume		(a)-(d) or (f).	
2. Certified copies of the priority docume		ation No	
3. Copies of the certified copies of the pr	·		
application from the International Bure	au (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a li	st of the certified copies not rece	ived.	
Attachment(s)	_		
1) Notice of References Cited (PTO-892)	4) Interview Summ Paper No(s)/Mai		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  S Notice of Draftsperson's Patent Drawing Review (PTO-948)	(8) 5) Notice of Information	al Patent Application (PTO-152)	
Paper No(s)/Mail Date 4/15/05 and 12/23/04	6) Other:		

#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

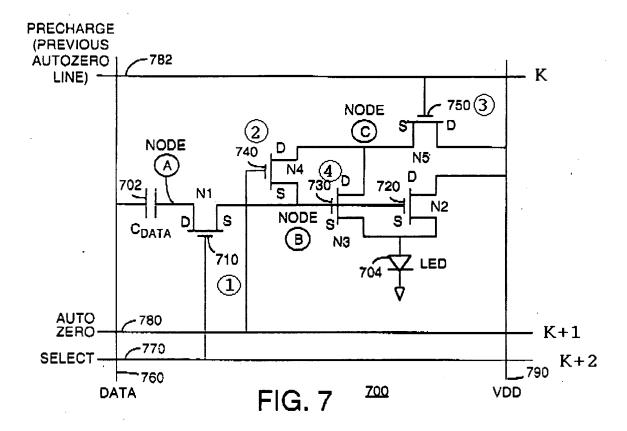
A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1, 47, 56, 65 and 74 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent 6,229,508 to Kane.

In reference to claim 1, in figure 7 of Kane, he teaches a first TFT (N1) comprising a gate electrode electrically corrected to a (k+2)th gate signal line (line 770) and one of source and drain regions electrically connected to a source signal line (node A and DATA – line 760); a second TFT (N4) comprising a gate electrode electrically connected to a (k+1)th gate signal line (line 780) and one of source and drain regions electrically connected to another one of the source and drain regions of the first TFT (node B); a third TFT (N5) comprising a gate electrode electrically connected to a kth gate signal line (782) and one of source and drain regions electrically connected to another one of the source and drain regions of the second TFT (node C); a fourth TFT (N3) comprising a gate electrode electrically connected to the another one of source and drain regions of the second TFT (node B) and to the one of the source and drain regions of the third TFT (node C); and an electroluminescence element electrically connected to one of source and drain regions of the fourth TFT (704).

Application/Control Number: 09/886,148

Art Unit: 2675



Kane: Figure 7

In reference to claims 47 and 56, Kane does not limit the exact type of transistors that are used; inherently the transistors should be of the same type, leaving the disclosure open to the well-known n or p type transistors.

In reference to claim 65, Kane teaches on column 9, that the driving electrode is operated in the linear region.

In reference to claim 74, Kane's invention is used to improve display technologies on computer and video systems (column 1, lines 32-37).

### Response to Arguments

3. Applicant's arguments filed 12/23/04 have been fully considered but they are not persuasive. The Kane reference still anticipates the applicant's claim as exemplified by the detailed rejection outlined above.

#### Conclusion

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ming-Hun Liu whose telephone number is (571)272-7770. The examiner can normally be reached on Mon-Fri.

Application/Control Number: 09/886,148 Page 5

Art Unit: 2675

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on 571-272-3638. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ming-Hun Liu

KENT CHANG PRIMARY EXAMINER